

This Diploma Thesis deals with spatial memory in four year old children.

Its aim is to capture a set of memory abilities of four year old children with the use of an experiment, which is based on the reproduction of a three-dimensional structure that is built from six blocks with dimensions of 3,5cm.

The abilities that are mentioned above are, together with the reactions of the children, monitored by diagnostic activities and scenarios, that are based on experiments carried out by Prof. Brousseau and PhDr. Kaslová.

The interpretation of data is used to present the findings of this issue.

In addition to the findings presented in the hypothesis, it is indicated the usefulness of partial results in practice are indicated and the Annex contains a complete set of videos made during the experiment.